

## HydroGuard



### Main Features

- Factory preassembled and ready-to-install
- Compact, robust and durable structure
- Easy and secure deployment
- Galvanized steel frame and reinforced fiberglass enclosure
- Safe access and efficient maintenance system

**HydroGuard** is a preassembled and factory-tested structure designed for professionals who need a compact, secure, and easy-to-deploy solution. It enables fast installation of hydrological stations while protecting equipment and maintaining measurement reliability. Robust and durable, it ensures long-lasting performance even in harsh environments.

**HydroGuard** is a preassembled and factory-tested mounting structure designed for quick and reliable deployment of hydrological stations.

Compact and robust, it offers a secure solution ready to be installed on metallic or concrete structures such as bridges or hydraulic works.

### Structure

Made of hot-dip galvanized

steel, **HydroGuard** ensures long-term resistance to corrosion and harsh environments. It integrates a reinforced fiberglass enclosure that provides excellent protection for electronic equipment and sensors.

### Design and Security

The articulated solar panel arm allows easy maintenance and can be locked with a padlock to prevent damage or

unauthorized access. To limit theft and vandalism, the solar panel is offset at the end of the arm, making it difficult to reach from the bridge or walkway.

### Integrated Equipment

Inside the enclosure, the P4-100 datalogger, battery, and antenna (2G / 3G / 4G) are preinstalled and ready for operation. Optional Ethernet or satellite communication modules can be added.

### Technical Specifications

#### Structure

Material	Hot-dip galvanized steel
Weight	4970 gr
Dimensions (L x W x H)	980x315x437 mm
Solar panel offset	780mm
Locking system	Screwed
Tiltable solar panel	Yes

#### Installation

By screwing for installation on an existing structure

By welding to an existing structure

#### Enclosure

Material	Glass fiber reinforced polyester
Dimensions (L x W x H)	400x300x200 mm
Protection rating	IP66   DIN EN 60529 – NEMA 3 / NEMA 250-2018
Impact resistance	IK10
Self-extinguishing	Yes
Locking points	2 points
Protection	Plate + Padlock

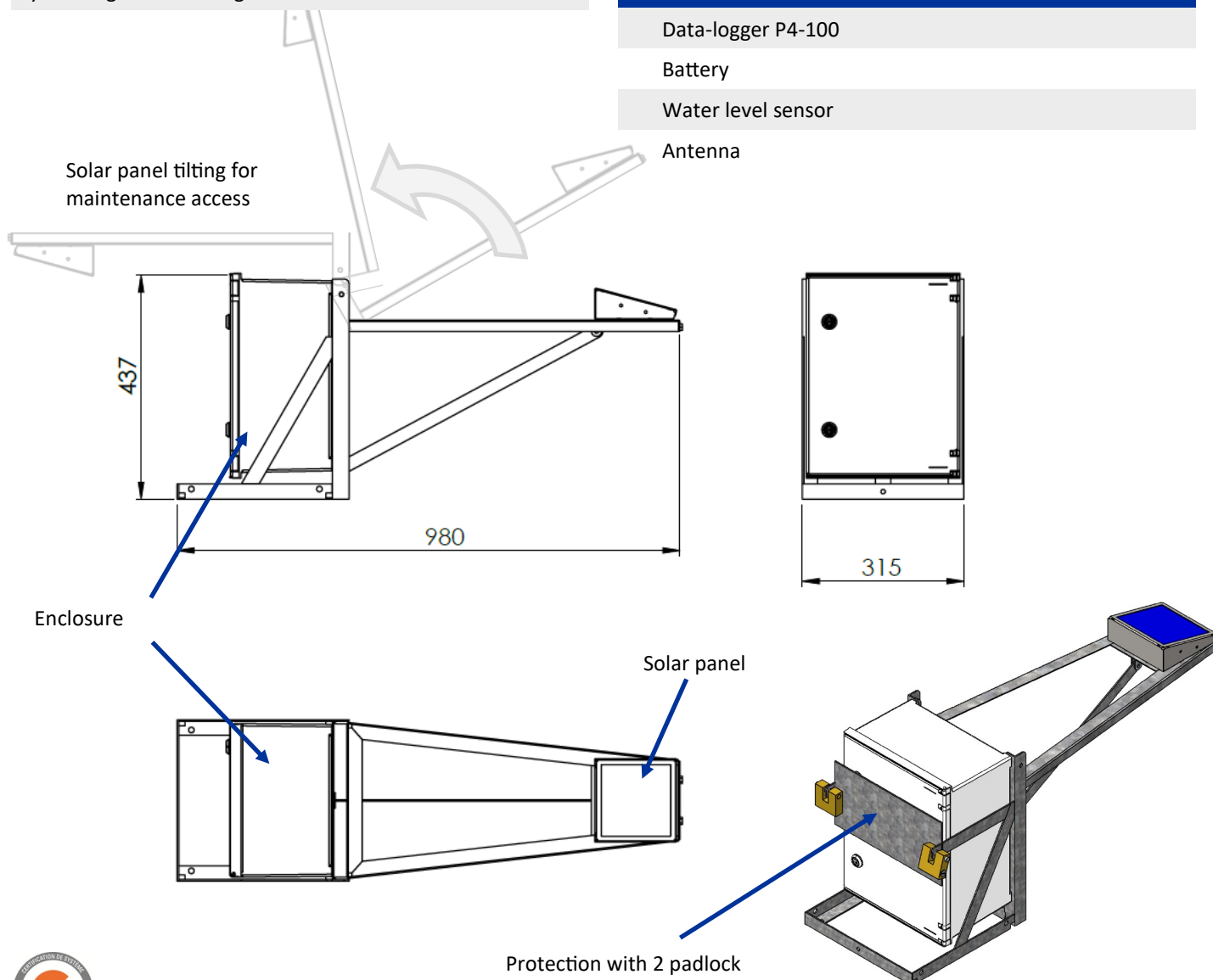
#### Integration Inside the Enclosure

Data-logger P4-100

Battery

Water level sensor

Antenna



#### PULSONIC

48, rue de Versailles 91400 Orsay France  
 Tel : +33 1 64 46 34 10 | Fax : +33 1 64 46 25 22  
 Email : info@pulsonic.com | www.pulsonic.com  
 SAS with a capital of 70000€ | RCS : Evry B 329 221 980

[WWW.PULSONIC.COM](http://WWW.PULSONIC.COM)

